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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/537,449

01/09/2006

Bernd Schwenzer

101215-189

1690

27387

7590

10/25/2006

NORRIS, MCLAUGHLIN & MARCUS, P.A.
875 THIRD AVE
18TH FLOOR
NEW YORK, NY 10022

EXAMINER

SHIN, DANA H

ART UNIT

PAPER NUMBER

1635

DATE MAILED: 10/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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101537.449

SCHWENZER ET AL.

EXAMINER

DANA H. SHIN

ART UNIT

PAPER

1635

20061013

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

This Office communication is necessitated by errors in the CRF filed on September 29, 2006. It is found that the CRF is defective because it does not comply with sequence rules set forth in 37 CFR 1.823. See the attached CRF problem report for more information. In summary, applicants are encouraged to carefully review the RSL (Raw Sequence Listing) Error Summary attached with this Office communication.

For clarifications or questions on CFR submission, please contact Mark Spencer, whose telephone number is 571-272-2510 and fax number is 571-273-0221.

Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the reply:

83 TC 1600
JANE ZARA, PH.D.
PRIMARY EXAMINER

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/537,449A

Source:

1Fw/6

Date Processed by STIC:

10/5/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/537,449A
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFW16

RAW SEQUENCE LISTING

DATE: 10/05/2006

PATENT APPLICATION: US/10/537,449A

TIME: 11:38:44

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10052006\J537449A.raw

3 <110> APPLICANT: Technische Universitat Dresden
 5 <120> TITLE OF INVENTION: Polynucleotides Targeted Against Htert and Use Thereof
 7 <130> FILE REFERENCE: 101215-189-2
 9 <140> CURRENT APPLICATION NUMBER: 10/537,449A
 C--> 10 <141> CURRENT FILING DATE: 2006-01-09
 12 <160> NUMBER OF SEQ ID NOS: 18
 14 <170> SOFTWARE: PatentIn Ver. 2.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 75
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Homo sapiens
 21 <220> FEATURE:
 22 <221> NAME/KEY: mRNA
 23 <222> LOCATION: (1)..(75)
 24 <223> OTHER INFORMATION: subunit 2176-2250 of hTERT
 W--> 26 <307> DATE: ~~delete~~ *add hyphen*
 27 <308> DATABASE ACCESSION NO: AF015950
 W--> 28 <309> DATABASE ENTRY DATE: AUG 1997 *AUG 1997 (global env)*
 30 <400> SEQUENCE: 1
 31 ctttgtcaag gtggatgtga cgggcgcgta cgacaccatc ccccaggaca ggctcacgga 60
 32 ggctcatcgcc agcat 75
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 98
 37 <212> TYPE: DNA
 38 <213> ORGANISM: Homo sapiens
 40 <220> FEATURE:
 41 <221> NAME/KEY: mRNA
 42 <222> LOCATION: (1)..(98)
 43 <223> OTHER INFORMATION: subunit 2296-2393 of hTERT
 W--> 45 <307> DATE: ~~delete~~
 46 <308> DATABASE ACCESSION NO: AF015950
 W--> 47 <309> DATABASE ENTRY DATE: AUG 1997
 49 <400> SEQUENCE: 2
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 51 agacctccag ccgtacatgc gacagttcgt ggctcacc 98
 54 <210> SEQ ID NO: 3
 55 <211> LENGTH: 23
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Homo sapiens
 59 <220> FEATURE:
 60 <221> NAME/KEY: mRNA
 61 <222> LOCATION: (1)..(23)
 62 <223> OTHER INFORMATION: subunit 2183-2205 of hTERT

Does Not Comply
Corrected Diskette Needed

insert
<3007

insert
 this
 mandatory
 numeric
 identifier
 above
 publication
 information.
 <3007 is a
 "header" only.
 It never
 has a
 response.

RAW SEQUENCE LISTING

DATE: 10/05/2006

PATENT APPLICATION: US/10/537,449A

TIME: 11:38:44

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10052006\J537449A.raw

Insert
↓
<3007

W--> 64 ~~<307> DATE:~~
65 <308> DATABASE ACCESSION NO: AF015950
W--> 66 <309> DATABASE ENTRY DATE: AUG 1997
68 <400> SEQUENCE: 3
69 aaggtggatg tgacgggcgc gta 23
72 <210> SEQ ID NO: 4
73 <211> LENGTH: 20
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapiens
77 <220> FEATURE:
78 <221> NAME/KEY: mRNA
79 <222> LOCATION: (1)..(20)
80 <223> OTHER INFORMATION: subunit 2206-2225 of hTERT *<3007*

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83 <308> DATABASE ACCESSION NO: AF015950
W--> 84 <309> DATABASE ENTRY DATE: AUG 1997
86 <400> SEQUENCE: 4
87 cgacaccatc ccccaggaca 20
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 20
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
95 <220> FEATURE:
96 <221> NAME/KEY: mRNA
97 <222> LOCATION: (1)..(20)
98 <223> OTHER INFORMATION: subunit 2315-2334 of hTERT *<3007*

W--> 100 ~~<307> DATE:~~
101 <308> DATABASE ACCESSION NO: AF015950
W--> 102 <309> DATABASE ENTRY DATE: AUG 1997
104 <400> SEQUENCE: 5
105 cacgtccgca aggccttcaa 20
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 20
110 <212> TYPE: DNA
111 <213> ORGANISM: Homo sapiens
113 <220> FEATURE:
114 <221> NAME/KEY: mRNA
115 <222> LOCATION: (1)..(20)
116 <223> OTHER INFORMATION: subunit 2317-2336 of hTERT *<3007*

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123 cgtccgcaag gccttcaaga 20
126 <210> SEQ ID NO: 7
127 <211> LENGTH: 23
128 <212> TYPE: DNA
129 <213> ORGANISM: Homo sapiens
131 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 10/05/2006

PATENT APPLICATION: US/10/537,449A

TIME: 11:38:44

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10052006\J537449A.raw

132 <221> NAME/KEY: mRNA
133 <222> LOCATION: (1)..(23)
134 <223> OTHER INFORMATION: subunit 2324-2346 of hTERT (2207)
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140 <400> SEQUENCE: 7
141 aaggccttca agagccacgt etc 23
144 <210> SEQ ID NO: 8
145 <211> LENGTH: 20
146 <212> TYPE: DNA
147 <213> ORGANISM: Homo sapiens
149 <220> FEATURE:
150 <221> NAME/KEY: mRNA
151 <222> LOCATION: (1)..(20)
152 <223> OTHER INFORMATION: subunit 2331-2350 hTERT (3007)
W--> 154 ~~<307> DATE:~~
155 <308> DATABASE ACCESSION NO: AF015950
W--> 156 <309> DATABASE ENTRY DATE: AUG 1997
158 <400> SEQUENCE: 8
159 tcaagagcca cgtctctacc 20
162 <210> SEQ ID NO: 9
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164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
167 <220> FEATURE:
168 <221> NAME/KEY: mRNA
169 <222> LOCATION: (1)..(20)
170 <223> OTHER INFORMATION: subunit 2333-2352 of hTERT (3007)
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173 <308> DATABASE ACCESSION NO: AF015950
W--> 174 <309> DATABASE ENTRY DATE: AUG 1997
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182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: hTERT-AS Astel 2206-2225 (3007)
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189 <308> DATABASE ACCESSION NO: AF015950
W--> 190 <309> DATABASE ENTRY DATE: AUG 1997
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193 tgtcctgggg gatggtgtcg 20
196 <210> SEQ ID NO: 11
197 <211> LENGTH: 20
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

DATE: 10/05/2006

PATENT APPLICATION: US/10/537,449A

TIME: 11:38:44

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10052006\J537449A.raw

201 <220> FEATURE:
 202 <223> OTHER INFORMATION: hTERT-AS Astel 2315-2334 (3007)
 W--> 204 ~~<307> DATE:~~
 205 <308> DATABASE ACCESSION NO: AF015950
 W--> 206 <309> DATABASE ENTRY DATE: AUG 1997
 208 <400> SEQUENCE: 11
 209 ttgaaggcct tgcggacgtg 20
 212 <210> SEQ ID NO: 12
 213 <211> LENGTH: 20
 214 <212> TYPE: DNA
 215 <213> ORGANISM: Artificial Sequence
 217 <220> FEATURE:
 218 <223> OTHER INFORMATION: hTERT-AS Astel 2317-2336 (3007)
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 221 <308> DATABASE ACCESSION NO: AF015950
 W--> 222 <309> DATABASE ENTRY DATE: AUG 1997
 224 <400> SEQUENCE: 12
 225 tcttgaaggc cttgcggacg 20
 228 <210> SEQ ID NO: 13
 229 <211> LENGTH: 20
 230 <212> TYPE: DNA
 231 <213> ORGANISM: Artificial Sequence
 233 <220> FEATURE:
 234 <223> OTHER INFORMATION: hTERT-AS Astel 2331-2350 (3007)
 W--> 236 ~~<307> DATE:~~
 237 <308> DATABASE ACCESSION NO: AF015950
 W--> 238 <309> DATABASE ENTRY DATE: AUG 1997
 240 <400> SEQUENCE: 13
 241 ggtagagacg tggctcttga 20
 244 <210> SEQ ID NO: 14
 245 <211> LENGTH: 20
 246 <212> TYPE: DNA
 247 <213> ORGANISM: Artificial Sequence
 249 <220> FEATURE:
 250 <223> OTHER INFORMATION: hTERT-AS Astel 2333-2352 (3007)
 W--> 252 ~~<307> DATE:~~
 253 <308> DATABASE ACCESSION NO: AF015950
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 257 aaggtagaga cgtggctctt 20
 260 <210> SEQ ID NO: 15
 261 <211> LENGTH: 20
 262 <212> TYPE: DNA
 263 <213> ORGANISM: Artificial Sequence
 265 <220> FEATURE:
 266 <223> OTHER INFORMATION: NS-K2 *what is its source? (see item 11 on*
 268 <300> PUBLICATION INFORMATION: *Eno summary*
 269 <308> DATABASE ACCESSION NO: AF015950
 W--> 270 <309> DATABASE ENTRY DATE: AUG 1997 *sheet)*

RAW SEQUENCE LISTING

DATE: 10/05/2006

PATENT APPLICATION: US/10/537,449A

TIME: 11:38:44

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10052006\J537449A.raw

272 <400> SEQUENCE: 15
 273 cagtctcagt actgaagctg 20
 276 <210> SEQ ID NO: 16
 277 <211> LENGTH: 20
 278 <212> TYPE: DNA
 279 <213> ORGANISM: Artificial Sequence
 281 <220> FEATURE:
 282 <223> OTHER INFORMATION: NS-K3 *what is its source?*
 284 <300> PUBLICATION INFORMATION:
 285 <308> DATABASE ACCESSION NO: AF015950
 W--> 286 <309> DATABASE ENTRY DATE: AUG 1997
 288 <400> SEQUENCE: 16
 289 cagcttcagt actgagactg 20
 292 <210> SEQ ID NO: 17
 293 <211> LENGTH: 501
 294 <212> TYPE: DNA
 295 <213> ORGANISM: Homo sapiens
 297 <220> FEATURE:
 298 <221> NAME/KEY: mRNA
 299 <222> LOCATION: (1)..(501)
 300 <223> OTHER INFORMATION: subunit 2000-2500 of hTERT
 302 <300> PUBLICATION INFORMATION:
 303 <308> DATABASE ACCESSION NO: AF015950
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 307 aagagggccg agcgtctcac ctcgagggtg aaggcactgt tcagcgtgct caactacgag 60
 308 cgggcgcgcc gccccggcct cctggcgcc tctgtgctgg gcctggacga tatccacagg 120
 309 gcctggcgca ccttcgtgct gcgtgtgcgg gccaggacc cgccgcctga gctgtacttt 180
 310 gtcaaggtgg atgtgacggg cgcgtacgac accatcccc aggacaggct cacggaggtc 240
 311 atcgccagca tcatcaaacc ccagaacacg tactgctgct gtcggtatgc cgtgggtccag 300
 312 aaggcccgccc atgggacagt ccgcaaggcc ttcaagagcc acgtctctac cttgacagac 360
 313 ctccagccgt acatgcgaca gttcgtggct cacctgcagg agaccagccc gctgagggat 420
 314 gccgtcgtca tcgagcagag ctctccctg aatgaggcca gcagtggcct cttcgacgtc 480
 315 ttctacgct tcatgtgcca c 501
 318 <210> SEQ ID NO: 18
 319 <211> LENGTH: 4015
 320 <212> TYPE: DNA
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 323 <220> FEATURE:
 324 <221> NAME/KEY: mRNA
 325 <222> LOCATION: (1)..(4015)
 326 <223> OTHER INFORMATION: hTERT
 328 <300> PUBLICATION INFORMATION:
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 333 gcagcgtgc gtcctgctgc gcacgtggga agccctggcc ccggccaccc ccgcgatgcc 60
 334 gcgcgtcccc cgctgccgag ccgtgcgtc cctgctgcgc agccactacc gcgaggtgct 120
 335 gccgtggcc acgttcgtgc ggcgcctggg gcccagggc tggcggctgg tgcagcgagg 180

VERIFICATION SUMMARY

DATE: 10/05/2006

PATENT APPLICATION: US/10/537,449A

TIME: 11:38:45

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\10052006\J537449A.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:26 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:1
L:28 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:1
L:45 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:2
L:47 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:2
L:64 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:3
L:66 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:3
L:82 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:4
L:84 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:4
L:100 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:5
L:102 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:5
L:118 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:6
L:120 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:6
L:136 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:7
L:138 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:7
L:154 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:8
L:156 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:8
L:172 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:9
L:174 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:9
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L:190 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:10
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L:206 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:11
L:220 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:12
L:222 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:12
L:236 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:13
L:238 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:13
L:252 M:285 W: Invalid Journal Date Format:Use YYYY-MM-DD,Mon-YYYY,Season-YYYY,or YYYY, SEQ:14
L:254 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:14
L:270 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:15
L:286 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:16
L:304 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:17
L:330 M:286 W: Invalid Database Entry: Valid Formats YYYY-MM-DD or Mon-YYYY, SEQ ID:18

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 37 CFR §1.821(g). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. §§1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. §§1.821-1.825. Applicants attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a Sequence Listing as required by 37 C.F.R. §1.821(c).
- ☐ 3. A copy of the Sequence Listing in computer readable form has not been submitted as required by 37 C.F.R. §1.821(e).
- ☒ 4. A copy of the Sequence Listing in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. §1.822 and/or 1.823, as indicated on the attached copy of the marked-up Raw Sequence Listing.
- ☒ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. §1.825(d).
- ☐ 6. The paper copy of the Sequence Listing is not the same as the computer readable from of the Sequence Listing as required by 37 C.F.R. §1.821(e).
- ☐ 7. Other:

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the Sequence Listing. (If the unidentified sequences are not provided on the CRF)
- ☒ An initial or substitute paper copy of the Sequence Listing, as well as an amendment directing its entry into the specification. (If the unidentified sequences are not provided in the paper copy)
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. §1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d). (If a new paper and/or CRF are required)

For questions regarding compliance to these requirements, please contact:

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